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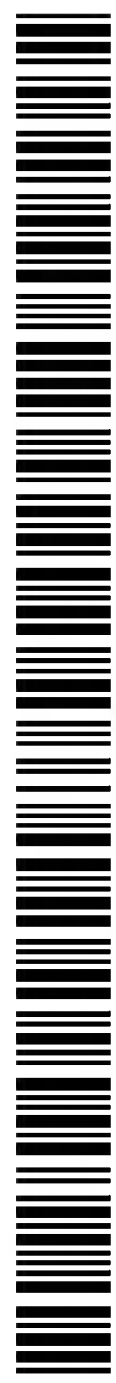
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(54) Title: METHODS OF FORMING AND DETECTING NON-VISIBLE MARKS AND ARTICLES MARKED IN ACCORDANCE WITH THE METHODS

(57) Abstract: The present invention provides methods of forming and detecting non-visible marks and articles marked in accordance with the methods. In accordance with the methods of the invention, a marking material is applied to a substrate to form a mark that is contrastable from the substrate in one or more regions of the infrared portion of the electromagnetic spectrum. The mark is covered with a film, which can be a bonded coating or a non-bonded covering sheet, that comprises an amount of one or more inorganic pigments such that the film appears opaque in the visible portion of the electromagnetic spectrum but is sufficiently transmissive in one or more regions of the infrared portion of the electromagnetic spectrum to facilitate the detection of the mark covered by the film. The non-visible marks can be applied to articles such as automobile parts, aircraft parts and other articles of manufacture to deter counterfeiting.



WO 2006/009873 A1